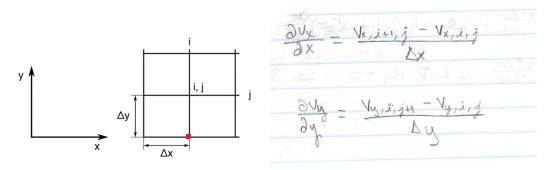
1. What are the derivatives in finite differences of the velocity point on the 2D grid?



2. Consider flow between two flat plates. Find the friction factor using the von-Karman-Pohlhausen velocity equation and the wall sheer stress at y=H.

×	
	$V_{x} = U\left[\frac{3}{2}\left(\frac{y}{\delta(x)}\right) - \frac{1}{2}\left(\frac{y}{\delta(x)}\right)^{3}\right]$
	Zw = er dy lyett
	$UU\left[\frac{3}{28(x)}-\frac{3}{2}\frac{y^2}{8(x)^3}\right]_{y=H} = UU\left[\frac{3}{28(x)}-\frac{3}{2}\frac{H^2}{8(x)^3}\right]$
	$f = 2 \frac{2}{2} \frac{2}{10} \frac{3}{10} \frac{3}{10} \frac{3}{10} \frac{3}{10} \frac{1}{10} \frac{1}{$
	• • • • • • • • • • • • • • • • • • •